Croatia

Capital city: Zagreb
Inhabitants: 4 Million

INSTITUTIONAL SETTING AND PURPOSE

Croatian Waters is the national agency for water management, implementing the Croatian Water Act and the Regulations on Water Quality Standards. National monitoring is carried out for the assessment of groundwater quantity (groundwater levels in aquifers with intergranular porosity) and discharge of main springs (in karstic areas), as well as groundwater quality for the assessment of the status of groundwater bodies for the preparation of river basin management plans.

Croatian Meteorological and Hydrological Service (DHMZ) is a governmental body supporting the economic and sustainable development of Croatia by providing information on weather, climate, hydrological and ecological phenomena. DHMZ is in charge of hydrological and monitoring stations and the development and maintenance of various databases (meteorological, hydrological, air quality).

The objective of the national groundwater monitoring network of Croatia is to provide data to estimate the long-term state and trends of groundwater in the country, and provide input for the national water policy planning, regulatory agencies and the public.

CHARACTERISTICS OF THE NETWORK

The groundwater quantity monitoring network has 528 stations. Data are collected both manually and automatically (using data logger and automatic transmission). Automatic stations (data loggers) measure levels every day, and manual stations provide readings twice per week.

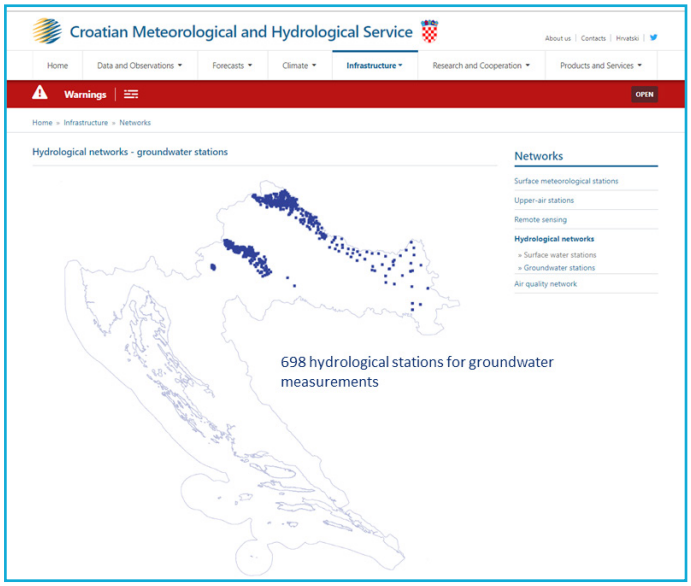

Figure 1 – Location of groundwater monitoring stations in Croatia. Source: DHMZ

PROCESSING AND DISSEMINATION

Data are used to perform time series analysis, statistical analysis and modelling. The groundwater observations are available for governmental institutions, and upon request. Additionally, all data are reported to the Water Information System Europe (WISE).

Sources

- **Feedback from Croatia Waters (answer to form)** - received in 2018;
- **National Hydrometeorological Institute of Croatia, Hydrological networks, Groundwater stations** - https://meteo.hr/infrastruktura.php?section=mreze_postaja&param=hm&el=podzemne_hm;
- **National Hydrometeorological Institute. Hydrology Division** - https://hidro.dhz.hr; and
- **Water Information System for Europe** - https://water.europa.eu.